

Parking Lots

Pavement and Curb Markings

City Code

City of Chattanooga Code, Chapter 24, Article IX, Section 24-272 (Ordinance No. 11408, dated April 2003)

Signs, signals, markings or other devices intended to regulate, warn, or guide traffic on private property used by the public shall conform to the Manual on Uniform Traffic Control Devices, 2003 and/or the most recent edition of the MUTCD manual.

Web Links: <http://mutcd.fhwa.dot.gov/pdfs/2003r1/pdf-index.htm>
http://www.chattanooga.gov/Public_Works/70_Parking.htm

Colors

Pavement markings shall be yellow, white, red, or blue. The colors for markings shall conform to the standard highway colors. Black in conjunction with one of the aforementioned colors shall be a usable color.

Parking Spaces Markings

Marking of parking space boundaries encourages more orderly and efficient use of parking spaces where parking turnover is substantial. Parking space markings tend to prevent encroachment into fire hydrant zones, bus stops, loading zones, approaches to intersections, curb ramps, and clearance spaces for islands and other zones where parking is restricted.

- a) Parking space markings shall be white. Yellow may be used in place of white on concrete surfaces.
- b) Parking spaces designated for use only by persons with disabilities (Handicapped) shall be blue.
- c) The International Disabilities Symbol shall be white on a blue background and shall be from 700 mm (28 in) to 1025 mm (41 in) in height and 600 mm (24 in) to 900 mm (36 in) in width. A white 75 mm (3 in) to 100 mm (4 in) border may be used. Note: Any variation in these standard colors is not allowed.
- d) Handicapped spaces & signs shall conform to the standards as outlined in the MUTCD manual and the City Guidelines for Handicapped Parking Spaces & Signs.

Stop and Yield Lines

- a) If used, stop lines shall consist of solid white lines extending across approach lanes to indicate the point at which the stop is intended or required to be made.

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Stop and Yield Lines – Cont.

- b) Stop lines should be 300 to 600 mm (12 to 24 in) wide.
- c) Stop lines should be used to indicate the point behind which vehicles are required to stop, in compliance with a STOP (R1-1) sign, traffic control signal, or some other traffic control device, except YIELD signs.
- d) If used, stop and yield lines should be placed a minimum of 1.2 m (4 ft) in advance of the nearest crosswalk or sidewalk, and should be placed to allow sufficient sight distance to all other approaches.
- e) Yield lines may be used to indicate the point behind which vehicles are required to yield in compliance with a YIELD (R1-2) sign or a Yield Here to Pedestrians (R1-5 or R1-5a).
- f) If used, yield lines (see Figure 3B-14) shall consist of a row of solid white isosceles triangles pointing toward approaching vehicles extending across approach lanes to indicate the point at which the yield is intended or required to be made.
- g) The individual triangles comprising the yield line should have a base of 300 to 600 mm (12 to 24 in) wide and a height equal to 1.5 times the base. The space between the triangles should be 75 to 300 mm (3 to 12 in).

Crosswalks

Crosswalk markings provide guidance for pedestrians who are crossing roadways by defining and delineating travel paths. Crosswalk markings also serve to alert roadway users of a pedestrian crossing point.

- a) When crosswalk lines are used, they shall consist of solid white lines that mark the crosswalk. They shall be not less than 150 mm (6 in) or greater than 600 mm (24 in) in width.
- b) If transverse lines are used to mark a crosswalk, the gap between the lines should not be less than 1.8 m (6 ft.). If diagonal or longitudinal lines are used without transverse lines to mark a crosswalk, the crosswalk should be not less than 1.8 m (6 ft) wide.
- c) If used, the diagonal or longitudinal lines should be 300 to 600 mm (12 to 24 in) wide and spaced 300 to 1500 mm (12 to 60 in) apart.
- d) If used, crosswalks leading to and from handicapped parking spaces shall be white and conform to the aforementioned standards.

Centerline Pavement Markings

- a) Centerline pavement markings, when used, shall be the pavement markings used to delineate the separation of traffic lanes that have opposite directions of travel on a roadway and shall be yellow.
- b) If used, centerlines shall be of the double line configuration.

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Centerline Pavement Markings – Cont.

- c) Single solid lines or single skip lines are not to be used to delineate opposite direction travel.
- d) Where two lanes are used to delineate traffic that has the same direction of travel a 4" solid white line shall be used to delineate the respective lanes. (Example: Exit lanes on a parking lot driveway onto a city street).

Pavement Word and Symbol Markings

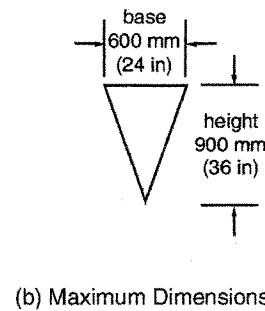
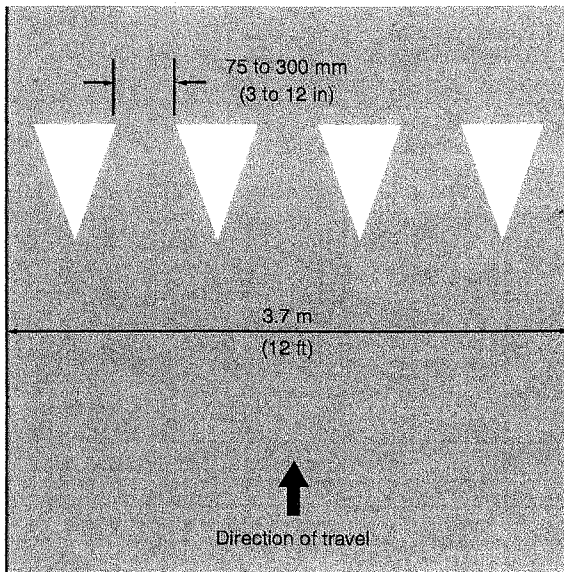
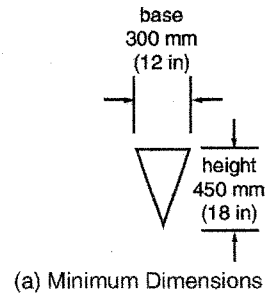
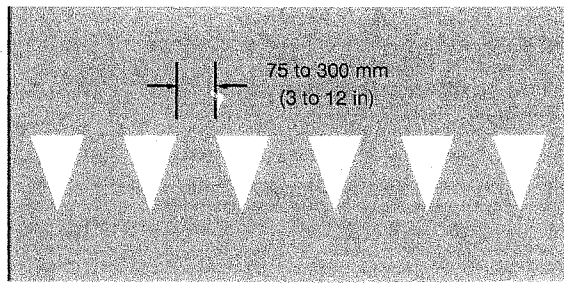
Word and symbol markings are used for the purpose of guiding, warning, or regulating traffic. Symbol messages are preferable to word messages.

- a) Word and symbol markings shall be white, except otherwise noted (Handicapped Symbol)
- b) Letters should be 1.5 m (5 ft) or more in height.
- c) Standard Arrow markings (arrows) should conform to the general shape as depicted in Figure 3B-21 of the MUTCD manual, with the exception that the size of the arrows may be reduced by 1/3 rd. (Examples: Through Lane use arrow may be 6' long, Turn Lane use arrow may be 5' long). Lane use signs conforming to the MUTCD shall be installed to supplement pavement arrows (R3 series).

Questions or inquiries should be directed to:

City of Chattanooga
Traffic Engineering Dept.
1250 Market St., Suite 3030
Chattanooga, TN. 37402
Phone: 423- 643-5950
Fax: 423-643-5951

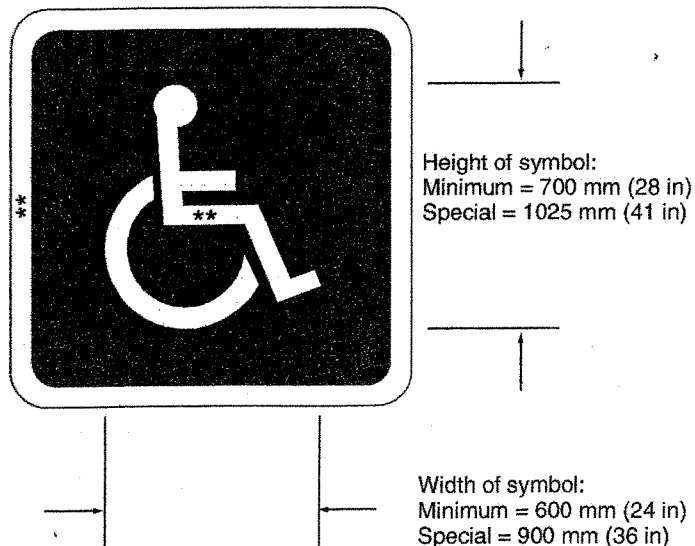
Figure 3B-14. Examples of Yield Line Layouts



Notes:
Triangle height is equal to
1.5 times the base dimension.

Yield lines may be smaller than
suggested when installed on much
narrower, slow-speed facilities such
as shared-use paths.

**Figure 3B-19. International Symbol of Accessibility Parking Space Marking
with Blue Background and White Border Options**



** Stroke width:
Minimum = 75 mm (3 in)
Special = 100 mm (4 in)

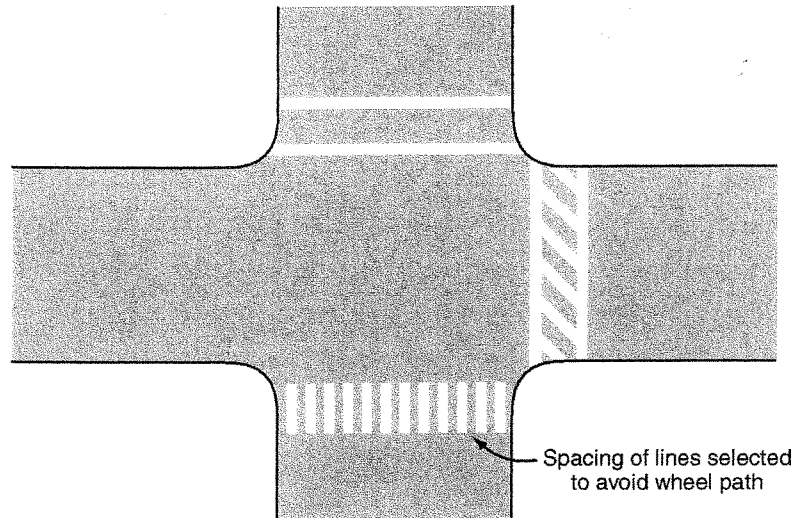
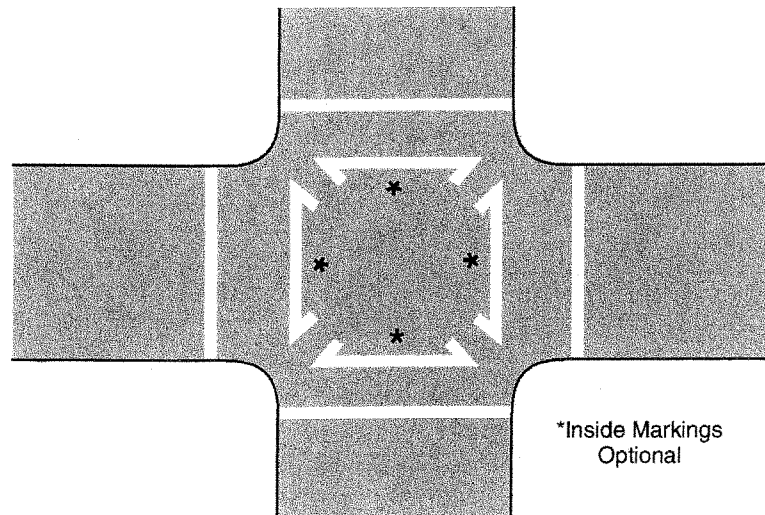
Figure 3B-16. Examples of Crosswalk Markings**Figure 3B-17. Example of Crosswalk Markings for Exclusive Pedestrian Phase That Permits Diagonal Crossing**

Figure 2B-4. Intersection Lane Control Signs

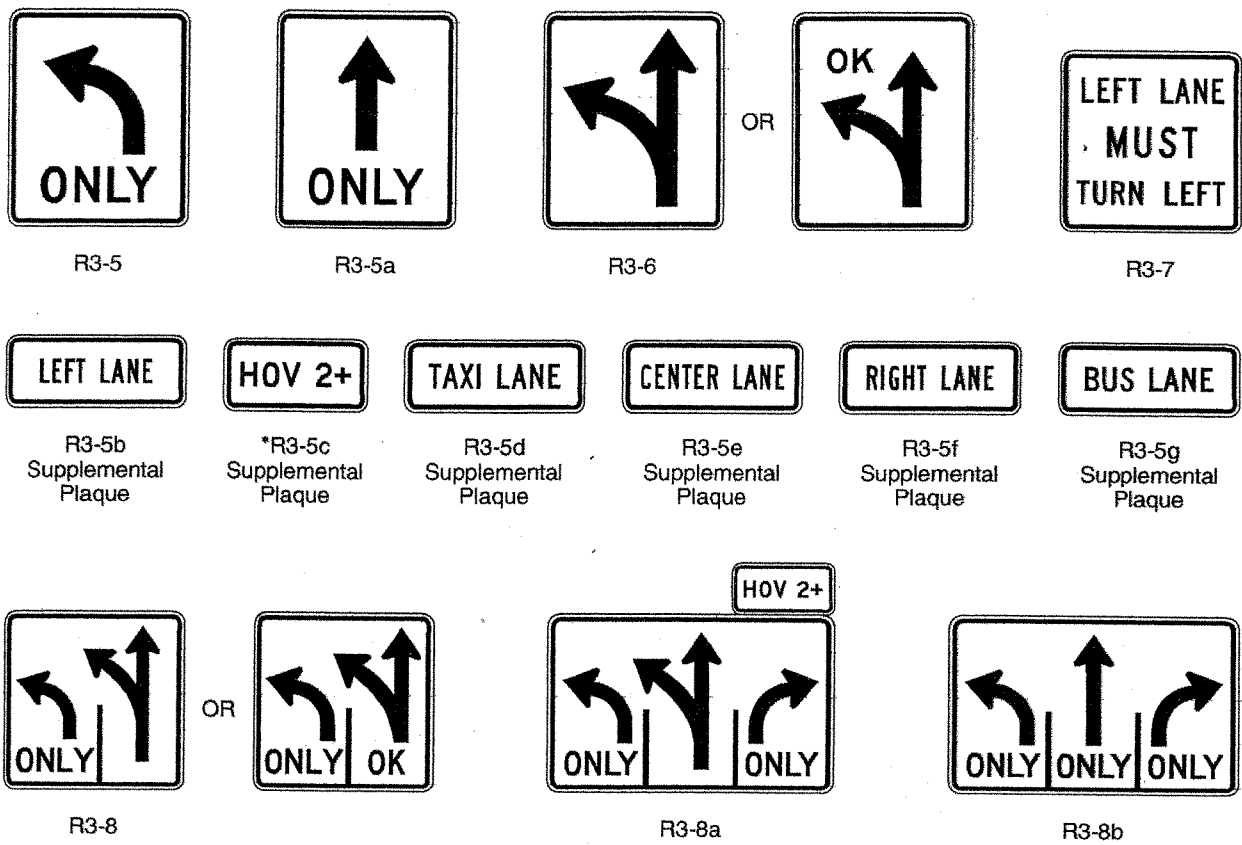
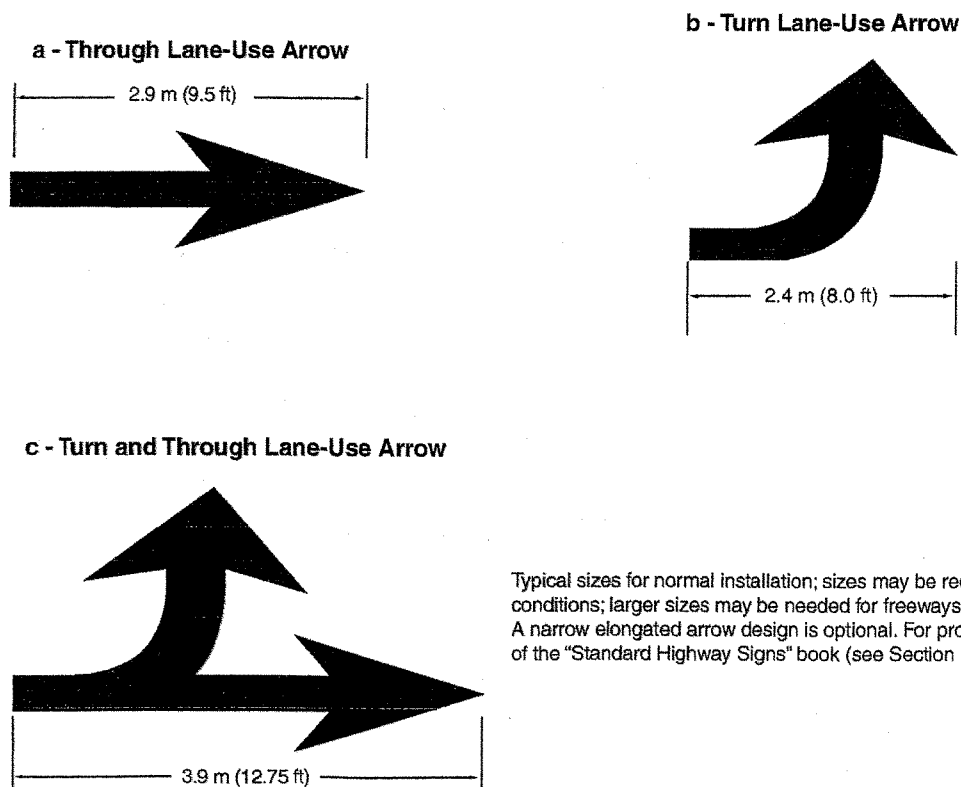


Figure 3B-21. Examples of Standard Arrows for Pavement Markings



Typical sizes for normal installation; sizes may be reduced approximately one-third for low-speed urban conditions; larger sizes may be needed for freeways, above average speeds, and other critical locations. A narrow elongated arrow design is optional. For proper proportion, see the Pavement Markings chapter of the "Standard Highway Signs" book (see Section 1A.11).